

P. O. Box 829
Carlsbad, New Mexico
December 19, 1956

MINE INSPECTION REPORT
JACKPILE MINE
UNITED PUEBLO AGENCY
LAGUNA PUEBLO RESERVATION

Confidential Claim Retracted

Authorized by: SK

Date: 6/25/13

by
C. K. McCormall
Mining Engineer

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION - MINING BRANCH

The Jackpile mine located on the Laguna Indian Reservation under lease to the Anaconda Company, from the Laguna Pueblo Tribe, approved May 7, 1952 was examined, in company with James Wager, Mining Engineer, on November 27, 1956.

As amended September 9, 1956 the lease covers 1,239.11 acres. It is understood that the lease is presently being amended by the Tribal Council to include additional land.

The production from this mine all comes from open pit mining. Since the opening of the mine stripping has been done under contract by the Isbell Construction Company of Reno, Nevada. Just recently the stripping had been taken over by the Anaconda Company themselves. Four diesel-powered and one electric-powered shovels ranging from 1½ to 5 cubic yards capacity are used to strip and load ore. The electric shovel is powered by a portable power unit and operates on 2300 volts AC power. Power cables are bridged over the roadways. Both waste and ore are hauled in diesel trucks. All the overburden is hauled out of the pit. The overburden is removed in three benches of 40 feet vertical depth each. The benches are from 60 to 80 feet wide.

Drilling is done by portable drills vertically from the benches. Drilling is done dry and respirators are worn when dust conditions warrant. The amount of dust from the dry drilling is negligible compared to the dust raised by the trucks, shovels, bulldozers and wind, during operations. The dusty condition is kept at a minimum by continuous sprinkling of all road ways. All employees are provided with respirators.



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The ore occurs in the Dakota sandstone and is recovered in two benches. Ore thickness varies from 5 to 30 feet and the ore grade varies throughout the pit. An attempt is made in loading ore to mix the grades to obtain a uniform blend. Small areas of the ore occurs in a carbonaceous shale which also has to be blended with the sandstone ore because of milling problems.

Stripping at time of examination had reached a thickness of 120 feet and will continue into the NE corner of the pit to a total depth of 120 feet. The calculated ratio of overburden to ore for the entire pit is 11.5 to 1.

There are 195 day men employed and 15 supervisors. The mine works three shifts a day on a 6-day week basis. The ore is loaded into railroad cars at the mine and shipped to the Anaconda Company's own mill at Bluewater, New Mexico.

Mc

C. M. McConnell
Deputy Regional Mining Supervisor

Orig. to: Supt., United Pueblo, Albuquerque
cc: Comm., Office of Indian Affairs
: Chief, Mining Branch
: Files